

Functionality

- Improved search
- Provenance and quality formalization (quality ontology developed in Italy)
- Data fusion
- Data mining (w/ UAH)
- Improved data access
- Inventory and search of value-added products & services (virtual, across ESIPs)

Issues

- We are a community of community builders
- Explore GEO connections to OCI
- Or focus on IT development (semantic web) and support multiple domains?

Richer metadata standards

- Work with standards bodies
- Common quality specification
- Search by parameter bundle

Marketplace concept

- Rank results of searches using quality information

Ontology development

- Framework for coordinating numerous small ontologies
- Keeper of SWEET upper-level Earth science ontology

Geowikipedia

- Serves the education community
- Data descriptions, not just science descriptions
- Supports market segmentation and value structures

Inventory and search in a web services world

- Service registries
- Web scraping
- Tagging, ontology use, full semantic descriptions
- Rudy's examples
- RIA/SEO to support ontological expression

Potential partners

- OGC (workshop that we fund, testbed that we organize and fund, work with Sam)
- Thetus (free licensing of tools)

Links to science

- Science driven via use cases
- Include respected scientists (Cornillon, Townsend, Graves, Reiff)

Community ranking

- Usability
- Del.iciou.us

Tech model for our virtual community

- Look at related solicitations on virtual engineering

Education aspects

- Create educational products
- Meet partway with funded NSDL or DL projects

Leverage existing tools (e.g. developed by NSF)

- VSTO, Noesis, Grid, PKI, NSF Middleware, SURF grid platform

International connection

- China (Federation visit)
- Central America (UAH Sever)
- Japan (Murata, EHIME U.)
- Brazil/Columbia (Unidata)
- LBA (Skole, et al)
- Chile
- Europe and elsewhere (Townshend)

Suggested reviewers

Matt Jones, Deborah McGuinness, Bertam Ludaescher, Jim Frew